

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-11 (Canceled).

Claim 12 (Previously Presented): A heat transport device comprising:

a first base plate including a liquid suction and retention unit configured to retain a liquid-phase working fluid by capillary force,

a body with protrusions on a bottom face thereof,

a second base plate facing the first base plate, the second base plate including a face provided with a first concavity so as to define a vaporization chamber configured to vaporize the liquid-phase working fluid retained in the liquid suction and retention unit to a gas-phase working fluid,

a second concavity cooperating with the body so as to define a liquefaction chamber configured to liquefy the gas-phase working fluid vaporized at the vaporization chamber to the liquid-phase working fluid,

a first ditch that defines a channel configured to transport the gas-phase working fluid from the vaporization chamber to the liquefaction chamber, and

a second ditch that defines a further channel configured to transport the liquid-phase working fluid from the liquefaction chamber to the liquid suction and retention unit,

a thermoplastic or thermosetting resin material bonding the first and second base plates,

wherein a surface of the first base plate is covered with a protective film,

wherein the protective film includes silicon or titanium.

Claim 13 (Previously Presented): A method for manufacturing a heat transport device, comprising:

forming a first base plate including a liquid suction and retention unit configured to retain a liquid-phase working fluid by capillary force, and

a body provided with protrusions on a bottom face thereof;

forming a second base plate including a face provided with a first concavity so as to define a vaporization chamber configured to vaporize the liquid-phase working fluid retained in the liquid suction and retention unit to a gas-phase working fluid,

a second concavity cooperating with the body so as to define a liquefaction chamber configured to liquefy the gas-phase working fluid vaporized at the vaporization chamber to the liquid-phase working fluid,

a first ditch that defines a channel configured to transport the gas-phase working fluid from the vaporization chamber to the liquefaction chamber, and

a second ditch that defines a further channel configured to transport the liquid-phase working fluid from the liquefaction chamber to the liquid suction and retention unit;

laminating the first base plate, a thermoplastic or thermosetting resin material, and the second base plate; and

bonding the first and the second base plates with the thermoplastic or thermosetting resin material by heating the composite of the first base plate, the thermoplastic or thermosetting resin material, and the second base plate under a pressurized condition;

oxidizing a surface of the first base plate;

coating the oxidized surface with a thin film of silicon or titanium; and

oxidizing the coated surface by plasma treatment.

Claims 14-15 (Canceled).